

#6

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-058248

(43)Date of publication of application : 01.03.1994

---

(51)Int.Cl. F04B 27/08  
F04B 39/00

---

(21)Application number : 04-210542 (71)Applicant : TOYOTA AUTOM LOOM  
WORKS LTD(22)Date of filing : 06.08.1992 (72)Inventor : FUJII TOSHIRO  
ITO KOICHI  
IWAMA KAZUAKI

---

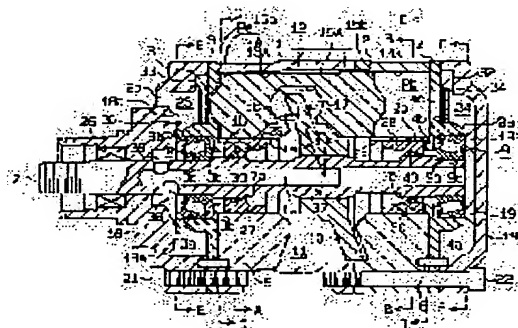
## (54) ROTARY SHAFT SUPPORTING CONSTRUCTION OF SWASH PLATE TYPE COMPRESSOR

## (57)Abstract:

PURPOSE: To provide a swash plate type compressor of which the axis of a rotary shaft can be correctly positioned against the center line of a cylinder bore.

CONSTITUTION: A swash plate 10 to reciprocate the double headed piston 15A in cylinder bores 13A, 14A is supported with a rotary shaft 7. The rotary shaft 7 is supported with valve plates 3, 4 through a pair of tapered roller bearings 8, 9. The tapered roller bearings 8, 9 are fitted into supporting holes 3a, 4a.

Annular positioning projections 3b, 4b are projectingly provided on the circumferential edges of the supporting holes 3a, 4a, and circular positioning holes 1a, 2a are provided on cylinder blocks 1, 2. The positioning projections 3b, 4b are fitted into the positioning holes 1a, 2a. Pins 5, 6 are inserted through the cylinder blocks 1, 2 and the valve plates 3, 4. The positions around the rotary shaft of the valve plates 3, 4 against the cylinder blocks 1, 2 are decided by means of the pins 5, 6.



---

LEGAL STATUS

---

[Date of request for examination] 16.02.1999

[Date of sending the examiner's decision of rejection] 04.07.2000

[Kind of final disposal of application  
other than the examiner's decision of  
rejection or application converted  
registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against  
examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office